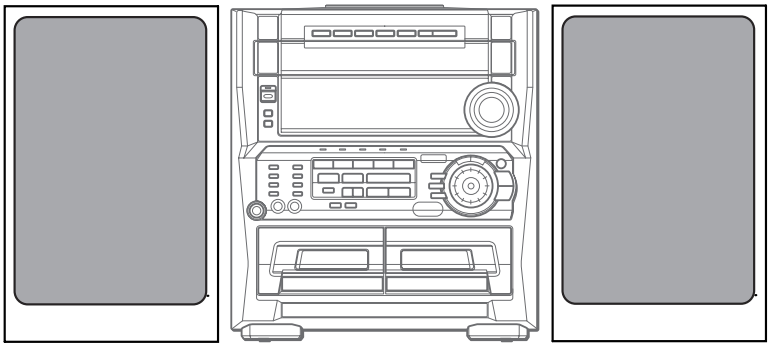
aiwa SERVICE

Z-L900 LH



SERVICE MANUAL

COMPACT DISC STEREO
CASSETTE RECEIVER

BASIC TAPE MECHANISM : 2ZM-3MK2 PR5NM
BASIC CD MECHANISM : 6ZG-1 ZRDM

SYSTEM	CD CASSEIVER	SPEAKER	REMOTE CONTROLLER
Z–L900	CX–ZL900	SX–WZL900	RC–ZAS12

- This Service Manual is the "Revision Publishing" and replaces "Simple Manual" Z-L900 (LH), (S/M Code No. 09-001-424-5T1).
- If requiring information about the CD mechanism, see Service Manual of 6ZG-1 ZRDM, (S/M Code No. 09-001-338-7N2).

aiwa

S/M Code No. 09-004-424-5R1

REVISION DATA

SPECIFICATIONS

<FM tuner section>

Tuning range	87.5 MHz to 108 MHz
Usable sensitivity (IHF)	13.2 dBf
Antenna terminals	75 ohms (unbalanced)

<AM tuner section>

Tuning range	530 kHz to 1710 kHz (10 kHz step) 531 kHz to 1602 kHz (9 kHz step)
Usable sensitivity	350 µV/m
Antenna	Loop antenna

<Amplifier section>

Mid-high frequency amplifier	
Power output	Rated: 55 W + 55 W (8 ohms, T.H.D. 1 %, 1 kHz) Reference: 70 W + 70 W (8 ohms, T.H.D. 10 %, 1 kHz)
Total harmonic distortion	0.15 % (15 W, 1 kHz, 8 ohms)
Low frequency amplifier	
Power output	Rated: 170 W + 170 W (6 ohms, T.H.D. 1 %, 75 Hz) Reference : 210 W + 210 W (6 ohms, T.H.D. 10 %, 75 Hz)
Total harmonic distortion	0.15 % (45 W, 75 Hz, 6 ohms)
Inputs	VIDEO/AUX: 310 mV (adjustable) PHONO: 400 mV (47 kohms) MIC 1, MIC 2: 1.4 mV (20 kohms)
Outputs	CD DIGITAL OUT (OPTICAL) SPEAKERS HIGH FREQ: accept speakers of 8 ohms or more SPEAKERS LOW FREQ: accept speakers of 6 ohms or more SURROUND SPEAKERS: accept speakers of 8-16 ohms or more PHONES (stereo jack): accepts headphones of 32 ohms or more

<Cassette deck section>

Track format	4 tracks, 2 channels stereo
Frequency response	CrO_2 tape: 50 Hz – 16000 Hz Normal tape: 50 Hz – 15000 Hz
Signal-to-noise ratio	50 dB (CrO_2 tape peak level, above 400 Hz)
Recording system	AC bias
Heads	Deck 1 : Playback head x 1 Deck 2 : Recording/Playback head x 1, erase head x 1

<Compact disc player section>

Laser	Semiconductor laser (λ =780 nm)
D-A converter	1 bit dual
Signal-to-noise ratio	85 dB (1 kHz, 0 dB)
Harmonic distortion	0.05 % (1 kHz, 0 dB)
Wow and flutter	Unmeasurable

<Speaker system SX–WZL900>

Cabinet type	3 way, built-in subwoofer
Speakers	Subwoofer: 220 mm cone type Full range: 120 mm cone type Super tweeter: 60 mm cone type
Impedance	6 ohms/8 ohms
Output sound pressure level	89 dB/W/m
Dimensions (W x H x D)	260 x 495x 355 mm
Weight	9.5 kg

<General>

Power requirements	120 V/220 - 230 V/240 V AC (switchable), 50/60 Hz
Power consumption	275 W
Power consumption in	With power-economizing mode off: 45 W With power-economizing mode on: 0.9 W
Dimensions of main unit (W x H x D)	360 x 395.3 x 402.3 mm
Weight of main unit	13.2 kg

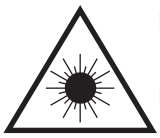
• Design and specifications are subject to change without notice.

• The word "BBE"and the "BBE symbol" are trademarks of BBE Sound, Inc.
Under license from BBE Sound,Inc.

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs laser. Therefore, be sure to follow carefully the instructions below when servicing.

WARNING!!
WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION. BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.



- Caution: Invisible laser radiation when open and interlocks defeated avoid exposure to beam.
- Advarsel: Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

VAROITUS!
Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saataa altistaa käyt-täjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

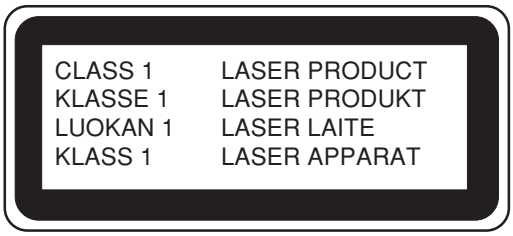
VARNING!
Om apparaten används på annat sätt än vad som specificeras i denna bruksanvising, kan användaren utsättas för osynling laserstrålning, som överskrider gränsen för laserklass 1.

CAUTION
Use of controls or adjustments or performance of procedures other than those specified herin may result in hazardous radiation exposure.

ATTENTION
L'utillisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

ADVARSEL
Usynlig laserståling ved åbning, når sikkerhedsafbrydereer ude af funktion. Undgå udsættelse for stråling.

This Compact Disc player is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT label is located on the rear exterior.

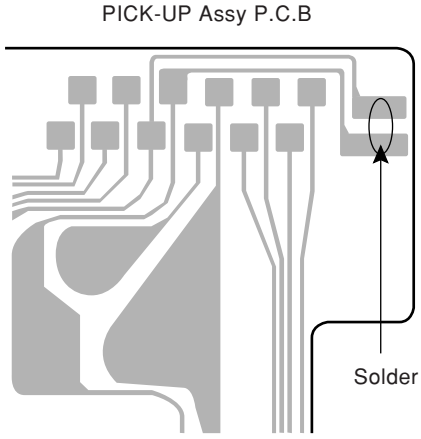


Precaution to replace Optical block

(KSS-213F)

Body or clothes electrostatic potential could ruin laser diode in the optical block. Be sure ground body and workbench, and use care the clothes do not touch the diode.

1) After the connection, remove solder shown in right figure.



NOTE ON BEFORE STARTING REPAIR

1. Forced discharge of electrolytic capacitor of power supply block

When repair is going to be attempted in the set that uses relay circuit in the power supply block, electric potential is kept charged across the electrolytic capacitors (C101, 102) even though AC power cord is removed. If repair is attempted in this condition, secondary defect can occur.

In order to prevent the secondary trouble, perform the following measures before starting repair work.

Discharge procedure

① Remove the AC power cord.
② Connect a discharging resistor at an end of lead wire that has clips at both ends. Connect the other end of the lead wire to metal chassis.
③ Contact the other end of the discharging resistor to the positive (+) side (+VH) of C101. (For two seconds)
④ Contact the same end of the discharging resistor as step ③ to the negative (-) side (-VH) of C102 in the same way. (For two seconds)
⑤ Check that voltage across C101 and C102 has decreased to 1 V or less using a multimeter or an oscilloscope.

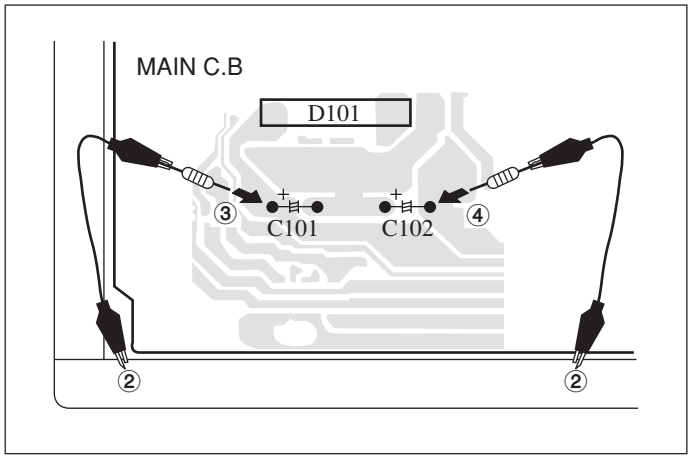


Fig-1

Select a discharging resistor referring to the following table.

Charging voltage (V) (C101, 102)	Discharging resistor (Ω)	Rated power (W)	Parts number
25-48	100	3	87-A00-247-090
49-140	220	5	87-A00-232-090

Note: The reference numbers (C101, C102) of the electrolytic capacitors can change depending on the models. Be sure to check the reference numbers of the charging capacitors on schematic diagram before starting the discharging work.

2. Check items before exchanging the MICROCOMPUTER

Be sure to check the following items before exchanging the MICROCOMPUTER. Exchange the MICROCOMPUTER after confirming that the MICROCOMPUTER is surely defective.

2-1. Regarding the HOLD terminal of the MICROCOMPUTER

When the HOLD terminal (INPUT) of the MICROCOMPUTER is "H", the MICROCOMPUTER is judged to be operating correctly. When this terminal is "L", the main power cannot be turned on. Therefore, be sure to check the terminal voltage of the HOLD terminal before exchange.

When the MICROCOMPUTER is not defective, the HOLD terminal can also go "L" when the POWER AMPLIFIER has any abnormalities that triggers the abnormality detection circuit on the MAIN C. B. that sets the HOLD terminal to "L".

- Good or no good judgement of the MICROCOMPUTER

① Turn on the AC main power.
② Confirm that the main power is turned on and the HOLD terminal of the MICROCOMPUTER keeps the "H" level or not.
③ When the HOLD terminal is "L" level, the abnormality detection circuit is judged to be working correctly and the MICROCOMPUTER is judged to be good.

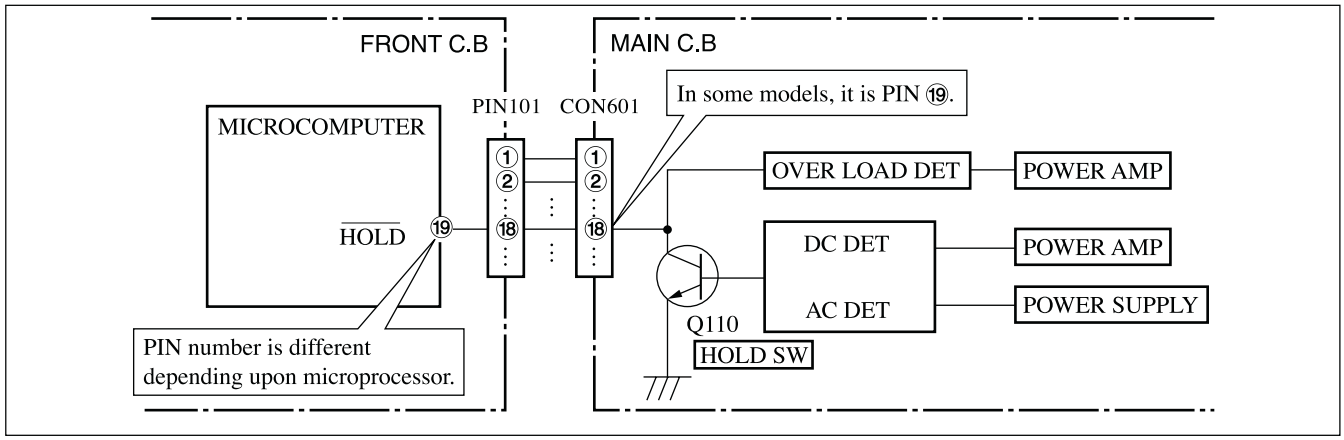


Fig-2-1

In such a case, check also if the POWER AMPLIFIER circuit or power supply circuit has any abnormalities or not.

2-2. Regarding reset

There are cases that the machine does not work correctly because the MICROCOMPUTER is not reset even though the AC power cord is re-inserted, or the software reset (pressing the STOP key + POWER key) is performed.
When the above described phenomenon occurs, it can lead to wrong judgement as if the MICROCOMPUTER is defective and to exchange the MICROCOMPUTER. In such a case, perform the forced-reset by the following procedure and check good or no good of the MICROCOMPUTER.

① Remove the AC power cord.

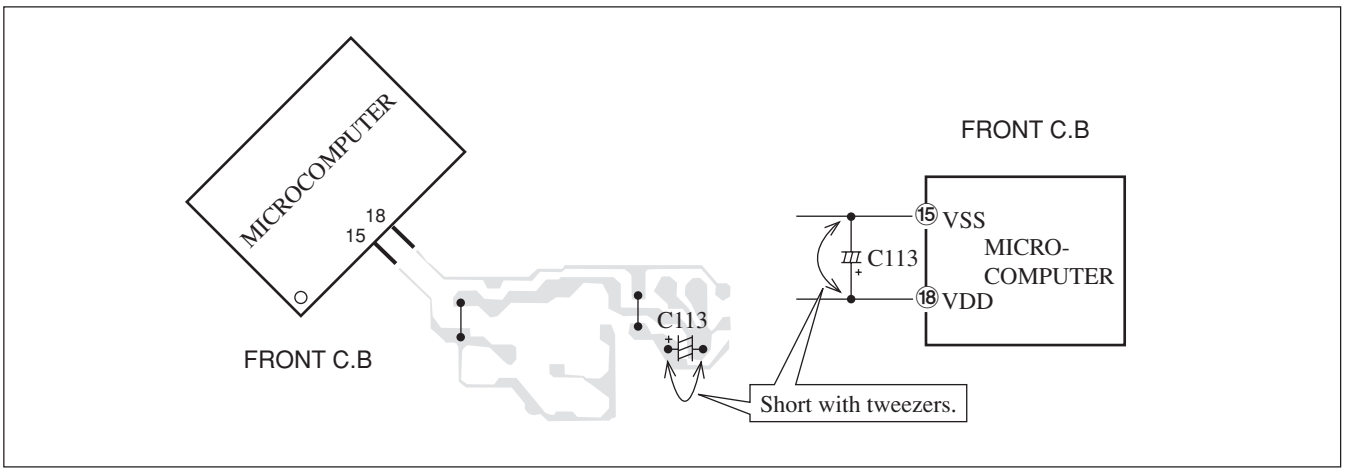


Fig-2-2

② Short both ends of the electrolytic capacitor C113 that is connected to VDD of the MICROCOMPUTER with tweezers.
③ Connect the AC power cord again. If the MICROCOMPUTER returns to the normal operation, the MICROCOMPUTER is good.

Note: The reference number or MICROCOMPUTER pin number of transistor (Q110) and electrolytic capacitor (C113) can change depending on the models. Be sure to check the reference numbers on schematic diagram before starting the discharging work.

2-3. Confirmation of soldering state of MICROCOMPUTER

Check the soldering state of the MICROCOMPUTER in addition to the above described procedures. Be sure to exchange the MICROCOMPUTER after surely confirming that the trouble is not caused by poor soldering but the MICROCOMPUTER itself.

ELECTRICAL MAIN PARTS LIST

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
IC			
	8A-MA3-656-010		C-IC,LC876580W-5P55
	87-A21-021-040		C-IC,BU2099FV
	87-A20-783-040		C-IC,BA7762AFS
	87-A21-398-010		IC,STK490-110
	87-A21-577-040		C-IC,M61506FP
	87-A21-482-010		IC,RPM6938-H4
	87-A21-018-040		C-IC,M65849BFP631D
	87-A21-452-010		C-IC,BD3876KS2
	87-070-289-040		IC,BU 2092F
	87-A21-415-010		IC,LA1843
	87-A21-051-040		C-IC,BU9990-03FS
	87-070-127-110		IC,LC72131 D
	87-020-454-010		IC,DN6851
TRANSISTOR			
	87-026-609-080		TR,KTA1266GR
	87-026-610-080		TR,KTC3198GR
	87-A30-076-080		C-TR,2SC3052F
	87-A30-075-080		C-TR,2SA1235F
	87-A30-318-080		TR,CSA952K
	89-213-702-010		TR,2SB1370E
	87-A30-218-080		TR,2SB1237Q
	87-A30-257-080		C-TR,2SD1306E
	87-A30-107-070		C-TR,CMBT5401
	87-026-245-080		TR,DTC114ES
	87-A30-198-080		TR,KTC3199GR
	87-A30-484-080		C-TR,KRA 102S
	87-A30-269-040		C-FET,2SJ461-T1
	87-A30-190-080		TR,CC5551
	87-A30-087-080		C-FET,2SK2158
	87-A30-468-080		C-TR,KRC 102S-RTK
	87-A30-106-040		C-TR,CMBT5551
	87-A30-204-010		TR,2SD2439
	87-A30-205-010		TR,2SB1588
	87-A30-107-080		C-TR,CMBT5401
	87-A30-329-080		TR,CD1585BC
	87-A30-063-080		C-TR,KRA 104S
	87-A30-074-080		C-TR,RT1P 141C
	87-A30-186-010		FET,2SK3053
	89-327-143-080		TR,2SC2714O(0.1W)
	87-A30-489-080		C-TR,KRA107S
	87-A30-234-080		TR,CSC4115BC
	87-026-463-080		TR,2SA933SRS
DIODE			
	87-020-465-080		DIODE,1SS133 (110MA)
	87-A40-673-090		DIODE,D10XB20
	87-A40-553-080		DIODE,1N4003 LES
	87-A40-780-080		ZENER,UZ33BSD
	87-A40-224-010		DIODE,GBU8DL
	87-A40-764-080		ZENER,UZ10BSC
	87-A40-313-080		C-DIODE,MC 2840
	87-A40-270-080		C-DIODE,MC2838
	87-A40-269-080		C-DIODE,MC2836
	87-A40-768-080		ZENER,UZ 16BSA
	87-017-447-010		DIODE,GBU4DL-6419
	87-017-154-080		ZENER,HZS6C3L
	87-020-331-080		CHIP-DIODE,DAN202K
	87-017-654-060		DIODE,GBU6J-6131
	87-A40-488-080		DIODE,1SS244
	87-A40-751-080		ZENER,UZ6.2BSB
	87-A40-747-080		ZENER,UZ5.1BSB
	87-A40-646-010		DIODE,FMB-G16L
	87-A40-224-010		DIODE,GBU8DL
	87-A40-745-080		ZENER,UZ4.7BSA
	87-A40-749-080		ZENER,UZ5.6BSB

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
MAIN C.B			
C3	87-A10-712-080		C-CAP,S 0.22-50 F
C4	87-A10-712-080		C-CAP,S 0.22-50 F
C21	87-A10-520-000		CAP, E 3300-35
C22	87-A10-520-000		CAP, E 3300-35
C25	87-016-300-080		CAP, ELECT 22-100
C26	87-010-407-080		CAP, ELECT 33-50
C27	87-016-300-080		CAP, ELECT 22-100
C28	87-010-407-080		CAP, ELECT 33-50
C31	87-010-263-080		CAP, ELECT 100-10V
C32	87-010-197-080		CAP, CHIP 0.01-25
C34	87-010-247-080		CAP, ELECT 100-50V
C35	87-010-380-080		CAP, ELECT 47-16V
C36	87-010-381-080		CAP, ELECT 330-16V
C38	87-010-385-080		CAP, ELECT 220-25V
C39	87-010-385-080		CAP, ELECT 220-25V
C40	87-010-197-080		CAP, CHIP 0.01-25
C60	87-010-403-080		CAP, ELECT 3.3-50V
C61	87-010-260-080		CAP, ELECT 47-25V
C80	87-010-401-080		CAP, ELECT 1-50V
C81	87-010-374-080		CAP, ELECT 47-10V
C82	87-010-380-080		CAP, ELECT 47-16V
C104	87-010-196-080		CHIP CAPACITOR,0.1-25
C105	87-010-196-080		CHIP CAPACITOR,0.1-25
C111	87-010-401-080		CAP, ELECT 1-50 M
C112	87-010-401-080		CAP, ELECT 1-50 M
C113	87-010-545-080		CAP, ELECT 0.22-50V
C114	87-010-545-080		CAP, ELECT 0.22-50V
C115	87-010-546-080		CAP, ELECT 0.33-50V
C116	87-010-546-080		CAP, ELECT 0.33-50V
C117	87-010-196-080		CHIP CAPACITOR,0.1-25
C121	87-010-404-080		CAP, ELECT 4.7-50V
C122	87-010-404-080		CAP, ELECT 4.7-50V
C160	87-010-196-080		C-CAP,S 0.1-25 ZF
C171	87-012-368-080		C-CAP,S 0.1-50 F
C172	87-012-368-080		C-CAP,S 0.1-50 F
C173	87-012-368-080		C-CAP,S 0.1-50 F
C174	87-012-368-080		C-CAP,S 0.1-50 F
C301	87-010-318-080		C-CAP,S 47P-50 CH
C302	87-010-318-080		C-CAP,S 47P-50 CH
C303	87-012-157-080		C-CAP,S 330P-50 CH
C304	87-012-157-080		C-CAP,S 330P-50 CH
C305	87-012-157-080		C-CAP,S 330P-50 CH
C306	87-012-157-080		C-CAP,S 330P-50 CH
C307	87-010-196-080		CHIP CAPACITOR,0.1-25
C309	87-010-196-080		CHIP CAPACITOR,0.1-25
C310	87-010-196-080		CHIP CAPACITOR,0.1-25
C311	87-010-198-080		CAP, CHIP 0.022-25
C312	87-010-198-080		CAP, CHIP 0.022-25
C313	87-010-178-080		CHIP CAP 1000P-50
C314	87-010-178-080		CHIP CAP 1000P-50
C315	87-010-178-080		CHIP CAP 1000P-50
C316	87-010-178-080		CHIP CAP 1000P-50
C321	87-012-142-080		CAP, S 0.33-16
C322	87-012-142-080		CAP, S 0.33-16
C324	87-010-260-080		CAP, ELECT 47-25V
C325	87-010-370-080		CAP,E 330-6.3 SME
C327	87-010-404-080		CAP, ELECT 4.7-50V
C328	87-010-404-080		CAP, ELECT 4.7-50V
C332	87-010-196-080		CHIP CAPACITOR,0.1-25
C335	87-010-401-080		CAP, ELECT 1-50V
C336	87-010-401-080		CAP, ELECT 1-50V
C337	87-010-196-080		CHIP CAPACITOR,0.1-25
C339	87-010-196-080		CHIP CAPACITOR,0.1-25
C340	87-010-196-080		CHIP CAPACITOR,0.1-25
C351	87-012-140-080		CAP 470P-50
C352	87-012-140-080		CAP 470P-50
C354	87-010-175-080		CAP 560P-50
C355	87-010-178-080		C-CAP,S 1000P-50 KB

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C356	87-010-260-080		CAP, ELECT 47-25V
C357	87-010-197-080		CAP, CHIP 0.01-25 KB
C358	87-010-183-080		C-CAP,S 2700P-50 B
C359	87-010-183-080		C-CAP,S 2700P-50 B
C360	87-010-183-080		C-CAP,S 2700P-50 B
C370	87-010-196-080		CHIP CAPACITOR,0.1-25
C373	87-A11-177-080		C-CAP,S 0.15-16 K B
C374	87-A11-177-080		C-CAP,S 0.15-16 K B
C378	87-010-196-080		CHIP CAPACITOR,0.1-25 ZF
C379	87-010-406-080		CAP, ELECT 22-50
C380	87-010-406-080		CAP, ELECT 22-50
C386	87-010-196-080		CHIP CAPACITOR,0.1-25 ZF
C388	87-012-156-080		C-CAP,S 220P-50 J CH
C391	87-010-319-080		C-CAP,S 56P-50 J CH
C392	87-010-319-080		C-CAP,S 56P-50 J CH
C393	87-010-319-080		C-CAP,S 56P-50 J CH
C394	87-010-319-080		C-CAP,S 56P-50 J CH
C501	87-010-263-080		CAP, ELECT 100-10V
C502	87-010-196-080		CHIP CAPACITOR,0.1-25
C503	87-016-460-080		C-CAP,S 0.22-16 K B
C504	87-016-460-080		C-CAP,S 0.22-16 K B
C505	87-016-460-080		C-CAP,S 0.22-16 K B
C506	87-010-184-080		CHIP CAPACITOR 3300P-50
C507	87-010-177-080		C-CAP,S 820P-50 SL
C508	87-016-669-080		C-CAP,S 0.1-25 K B
C509	87-016-669-080		C-CAP,S 0.1-25 K B
C510	87-010-184-080		CHIP CAPACITOR 3300P-50
C511	87-010-177-080		C-CAP,S 820P-50 SL
C512	87-016-460-080		C-CAP,S 0.22-16 K B
C513	87-010-544-080		CAP, ELECT 0.1-50V
C514	87-010-374-080		CAP, ELECT 47-10V
C515	87-010-401-080		CAP, ELECT 1-50 M
C516	87-010-401-080		CAP, ELECT 1-50 M
C517	87-010-183-080		C-CAP,S 2700P-50 B
C518	87-010-183-080		C-CAP,S 2700P-50 B
C531	87-010-405-080		CAP, ELECT 10-50 M
C532	87-010-196-080		CHIP CAPACITOR,0.1-25
C533	87-010-196-080		CHIP CAPACITOR,0.1-25
C534	87-012-156-080		C-CAP,S 220P-50 CH
C535	87-010-178-080		CHIP CAP 1000P-50
C536	87-010-196-080		CHIP CAPACITOR,0.1-25
C537	87-010-318-080		C-CAP,S 47P-50 CH
C538	87-010-318-080		C-CAP,S 47P-50 CH
C539	87-010-318-080		C-CAP,S 47P-50 CH
C541	87-010-178-080		CHIP CAP 1000P-50
C611	87-010-956-080		CHIP-CAP,S 0.068-25B
C612	87-010-369-080		C-CAP,S 0.033-25 K B
C613	87-010-190-080		S CHIP F 0.01-50
C614	87-016-669-080		C-CAP,S 0.1-25 K B
C616	87-010-185-080		C-CAP,S 3900P-50 K B
C617	87-010-194-080		CAP, CHIP 0.047-25ZF
C618	87-010-401-080		CAP, ELECT 1-50V
C619	87-010-263-080		CAP, ELECT 100-10V
C620	87-016-669-080		C-CAP,S 0.1-25 K B
C621	87-010-197-080		CAP, CHIP 0.01-25 KB
C623	87-010-401-080		CAP, ELECT 1-50V
C624	87-010-401-080		CAP, ELECT 1-50V
C626	87-A11-590-080		CAP, CHIP 0.047-16 KB
C627	87-010-400-080		CAP, ELECT 0.47-50V
C628	87-010-400-080		CAP, ELECT 0.47-50V
C629	87-A11-590-080		CAP, CHIP 0.047-16 KB
C630	87-010-383-080		CAP, ELECT 33-25V
C631	87-010-185-080		C-CAP,S 3900P-50 K B
C632	87-010-185-080		C-CAP,S 3900P-50 K B
C634	87-010-196-080		CHIP CAPACITOR,0.1-25
C635	87-A10-307-080		CAP-M,S 0.1-50
C636	87-A10-307-080		CAP-M,S 0.1-50
C637	87-A10-307-080		CAP-M,S 0.1-50
C638	87-A10-307-080		CAP-M,S 0.1-50
C639	87-010-405-080		CAP, ELECT 10-50V
C643	87-010-196-080		C-CAP,S 0.1-25 ZF
C644	87-010-401-080		CAP, ELECT 1-50V
C671	87-010-322-080		C-CAP,S 100P-50 CH
C672	87-010-322-080		C-CAP,S 100P-50 CH
C673	87-010-190-080		C-CAP,S 0.01-50 ZF
C679	87-010-196-080		CHIP CAPACITOR,0.1-25 ZF
C680	87-010-190-080		C-CAP,S 0.01-50 ZF
C682	87-010-196-080		CHIP CAPACITOR,0.1-25 ZF
C685	87-010-197-080		C-CAP,S 0.01-25 KB
C771	87-010-263-080		CAP, ELECT 100-10V
C772	87-010-197-080		CAP, CHIP 0.01-25KB
C782	87-010-197-080		CAP, CHIP 0.01-25KB
C783	87-010-197-080		CAP, CHIP 0.01-25KB
C784	87-010-197-080		CAP, CHIP 0.01-25KB
C785	87-010-197-080		CAP, CHIP 0.01-25KB
C786	87-010-197-080		CAP, CHIP 0.01-25KB
C788	87-010-149-080		C-CAP,S 5P-50 CH
C789	87-A12-052-080		C-CAP,S 0.033-25 J B
C790	87-A12-052-080		C-CAP,S 0.033-25 J B
C791	87-010-196-080		CHIP CAPACITOR,0.1-25
C792	87-010-197-080		CAP, CHIP 0.01-25KB
C793	87-010-404-080		CAP, ELECT 4.7-50V
C795	87-010-197-080		CAP, CHIP 0.01-25KB
C796	87-010-197-080		CAP, CHIP 0.01-25KB
C797	87-010-405-080		CAP, ELECT 10-50V
C798	87-010-197-080		CAP, CHIP 0.01-25KB
C799	87-010-407-080		CAP, ELECT 33-50V
C800	87-010-194-080		CAP, CHIP 0.047-25ZF
C801	87-010-403-080		CAP, ELECT 3.3-50V
C802	87-010-194-080		CAP, CHIP 0.047-25 ZF
C803	87-010-198-080		CAP, CHIP 0.022-25KB
C804	87-010-263-080		CAP, ELECT 100-10V
C807	87-010-400-080		CAP, ELECT 0.47-50V
C808	87-010-401-080		CAP, ELECT 1-50V
C809	87-010-401-080		CAP, ELECT 1-50V
C810	87-010-196-080		CHIP CAPACITOR,0.1-25
C811	87-010-403-080		CAP, ELECT 3.3-50V
C812	87-010-403-080		CAP, ELECT 3.3-50V
C814	87-010-197-080		CAP, CHIP 0.01-25
C815	87-010-403-080		CAP, ELECT 3.3-50V
C816	87-010-403-080		CAP, ELECT 3.3-50V
C819	87-010-179-080		CAP,CHIP S 1200P-50
C820	87-010-179-080		CAP,CHIP S 1200P-50
C821	87-010-405-080		CAP, ELECT 10-50V
C823	87-010-177-080		CAP, CHIP 820P-50 J SL
C824	87-010-405-080		CAP, ELECT 10-50
C825	87-010-596-080		CAP, S 0.047-16
C842	87-010-197-080		CAP, CHIP 0.01-25 KB
C844	87-010-197-080		CAP, CHIP 0.01-25 KB
C850	87-010-260-080		CAP, ELECT 47-25V
C851	87-010-197-080		CAP, CHIP 0.01-25 KB
C852	87-010-197-080		CAP, CHIP 0.01-25 KB
C853	87-010-197-080		CAP, CHIP 0.01-25 KB
C858	87-010-196-080		CHIP CAPACITOR,0.1-25
C859	87-010-196-080		CHIP CAPACITOR,0.1-25
C860	87-010-197-080		CAP, CHIP 0.01-25
C959	87-010-196-080		CHIP CAPACITOR,0.1-25
C960	87-010-196-080		CHIP CAPACITOR,0.1-25
C961	87-010-152-080		C-CAP,S 8P-50 CH
C963	87-015-785-080		CHIP CAPACITOR, 0.1-25ZF
C971	87-010-381-080		CAP, ELECT 330-16V
C972	87-010-404-080		CAP, ELECT 4.7-50V
C973	87-010-197-080		CAP, CHIP 0.01-25KB
C974	87-010-197-080		CAP, CHIP 0.01-25KB
C979	87-010-322-080		C-CAP,S 100P-50 CH
C981	87-010-260-080		CAP, ELECT 47-25V
C982	87-010-196-080		CHIP CAPACITOR,0.1-25
C983	87-010-197-080		CAP, CHIP 0.01-25KB
C984	87-010-197-080		CAP, CHIP 0.01-25KB
C987	87-010-197-080		CAP, CHIP 0.01-25KB

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C991	87-010-312-080		C-CAP,S 15P-50 CH
C992	87-010-312-080		C-CAP,S 15P-50 CH
C993	87-010-178-080		CHIP CAP 1000P-50
C995	87-010-178-080		CHIP CAP 1000P-50
C997	87-010-196-080		CHIP CAPACITOR,0.1-25
C998	87-010-260-080		CAP, ELECT 47-25V
C999	87-A11-155-080		CAP,TC U 0.01-16 Z F
CF831	87-008-261-010		FILTER, CFSFE10.7MA5
CF832	87-008-261-010		FILTER, CFSFE10.7MA5
CN1	87-A60-996-010		CONN,13P V BLK TAC-L13X-A3
CN91	87-A60-109-010		CONN,2P V S2M-2W
CN92	87-A60-109-010		CONN,2P V S2M-2W
CN101	87-A60-996-010		CONN,13P V BLK TAC-L13X-A3
CN301	87-A60-620-010		CONN,3P V 2MM JMT
CN351	87-A60-625-010		CONN,8P V 2MM JMT
CN601	87-099-719-010		CONN,30P TYK-B(X)
CN602	87-A60-131-010		CONN,6P V FE
CNA1	8A-NF8-653-010		CONN ASSY,9P TID-A(480)
CNA2	8A-NF6-640-010		CONN ASSY,3P (VM) ANF-6
FB501	87-008-372-080		FILTER, EMI BL OIRNI
FC602	88-906-321-110		FF-CABLE,6P 1.25 320MM
FFE831	A8-8ZA-190-030		8ZA-1 FEUNM
J101	87-A60-483-010		JACK,DIA6.3 BLK ST W/S KM
J102	87-A60-238-010		TERMINAL,SP 4P
J603	87-A60-926-010		JACK,PIN 4P R/W/TC58-118
J831	87-A60-202-010		TERMINAL,ANT 4P MSP-154V-02
L101	87-A50-610-010		COIL,1UH K (MDEC)
L102	87-A50-610-010		COIL,1UH K (MDEC)
L301	87-A50-049-010		COIL,TRAP 85K(COI)
L302	87-A50-049-010		COIL,TRAP 85K(COI)
L351	87-007-342-010		COIL,OSC 85K BIAS
L801	87-A50-540-010		COIL,FM DET(TOK)
L802	87-A91-551-010		FLTR,PCFJZH-450 L(TOK)
L811	87-005-847-080		COIL,2.2UH(CECS)
L832	87-005-847-080		COIL,2.2UH(CECS)
L951	8A-NF8-667-010		COIL,AM PACK 4(TOK)
R117	87-010-805-080		C-CAP,S 1-16 ZF
R118	87-010-805-080		C-CAP,S 1-16 ZF
R161	87-A00-441-050		RES,270-1/2W J RP
R162	87-A00-441-050		RES,270-1/2W J RP
R163	87-A00-441-050		RES,270-1/2W J RP
R164	87-A00-441-050		RES,270-1/2W J RP
R790	87-010-197-080		C-CAP,S 0.01-25 KB
R991	87-010-322-080		C-CAP,S 100P-50 J CH
R993	87-010-322-080		C-CAP,S 100P-50 J CH
R995	87-010-322-080		C-CAP,S 100P-50 J CH
SFR351	87-A90-433-080		SFR,50K H NVZ6TLTA
SFR352	87-A90-433-080		SFR,50K H NVZ6TLTA
WH1	87-A90-510-010		HLDR,WIRE 2.5-9P
X991	87-A70-061-010		VIB,XTAL 4.500MHZ CSA-309

MICON C.B

C101	87-010-498-040		CAP,E 10-16 GAS
C102	87-010-194-080		CAP, CHIP 0.047-25
C103	87-010-194-080		CAP, CHIP 0.047-25
C105	87-A11-242-040		CAP,E 220-10 M 5L SRM
C106	87-A11-242-040		CAP,E 220-10 M 5L SRM
C107	87-010-196-080		CHIP CAPACITOR,0.1-25
C111	87-016-460-080		C-CAP,S 0.22-16 K B
C112	87-010-493-040		CAP,E 0.47-50 GAS
C113	87-010-178-080		CHIP CAP 1000P-50
C114	87-018-209-080		CAP, TC U 0.01-50
C116	87-010-196-080		CHIP CAPACITOR,0.1-25
C122	87-012-369-080		C-CAP,S 0.047-50F
C123	87-010-408-040		CAP,E 47-50 SME
C124	87-010-421-040		CAP,E 4.7-50 5L
C125	87-010-421-040		CAP,E 4.7-50 5L
C132	87-012-156-080		C-CAP,S 220P-50 CH
C133	87-010-316-080		C-CAP,S 33P-50 CH
C135	87-018-209-080		CAP, TC U 0.01-50
C137	87-010-313-080		CAP, CHIP 18P-50
C138	87-010-196-080		CHIP CAPACITOR,0.1-25
C171	87-010-213-080		C-CAP,S 0.015-50 B
C172	87-010-183-080		C-CAP,S 2700P-50 B
C188	87-010-194-080		CAP, CHIP 0.047-25
C193	87-010-197-080		CAP, CHIP 0.01 DM
C251	87-010-196-080		CHIP CAPACITOR,0.1-25
C252	87-012-156-080		C-CAP,S 220P-50 CH
C253	87-010-322-080		C-CAP,S 100P-50 CH
C301	87-012-358-080		C-CAP,S 0.47-10 F Z
C302	87-010-171-080		C-CAP,S 270P-50 SL
C303	87-012-358-080		C-CAP,S 0.47-10 F Z
C304	87-012-358-080		C-CAP,S 0.47-10 F Z
C305	87-010-196-080		CHIP CAPACITOR,0.1-25
C306	87-010-196-080		CHIP CAPACITOR,0.1-25
C310	87-010-196-080		CHIP CAPACITOR,0.1-25
C311	87-010-405-040		CAP,E 10-50
C411	87-012-157-080		C-CAP,S 330P-50 CH
C412	87-010-405-040		CAP,E 10-50
C421	87-010-197-080		CAP, CHIP 0.01-25
C422	87-010-182-080		C-CAP,S 2200P-50 B
C940	87-012-145-080		CAP, CHIP S 270P-50 J CH
C941	87-012-145-080		CAP, CHIP S 270P CH
C942	87-012-145-080		CAP, CHIP S 270P CH
C943	87-012-145-080		CAP, CHIP S 270P CH
C944	87-012-145-080		CAP, CHIP S 270P CH
C945	87-012-145-080		CAP, CHIP S 270P CH
C946	87-012-145-080		CAP, CHIP S 270P CH
C947	87-012-145-080		CAP, CHIP S 270P CH
C948	87-012-145-080		CAP, CHIP S 270P CH
C949	87-012-145-080		CAP, CHIP S 270P CH
C950	87-012-145-080		CAP, CHIP S 270P CH
C951	87-012-145-080		CAP, CHIP S 270P CH
C952	87-012-145-080		CAP, CHIP S 270P CH
C962	87-012-155-080		C-CAP 180P-50CH
C963	87-010-297-080		C-CAP,S 100P-50 CH
C966	87-010-196-080		C-CAP,S 0.1-25 ZF
C967	87-010-197-080		CAP, CHIP 0.01 DM
C968	87-016-044-040		CAP,E 100-16 GAS
C969	87-010-196-080		CHIP CAPACITOR,0.1-25
C972	87-010-182-080		CAP CHIP 2200P-50
C973	87-012-156-080		C-CAP,S 220P-50 CH
C974	87-015-682-040		CAP,E 22-16 7L
C975	87-010-071-040		CAP,E 1-50 M 5L SRE
C976	87-010-060-040		CAP,E 100-16
C977	87-010-197-080		CAP, CHIP 0.01-25
CN101	87-099-720-010		CONN,30P TYK-B(P)
CN102	87-A60-162-010		CONN,14P H FE
CN103	87-A60-166-010		CONN,18P H FE
CN104	87-A60-163-010		CONN,15P H FE
CN301	87-A60-156-010		CONN,8P H FE
CNA105	8A-MA3-654-010		CONN ASSY,2P V 200MM
FB001	87-A90-896-080		F-BEAD,035600STY7
FC102	88-914-231-110		FF-CABLE,14P 1.25
FC103	88-918-231-110		FF-CABLE,18P 1.25
FC104	88-915-151-110		FF-CABLE,15P 1.25 150MM
FL101	8A-MA3-651-010		FL,BJ751GNK
L101	87-A50-333-010		COIL,OSC 9.43MHZ
L961	87-A50-093-010		COIL,CLOCK 5.76MHZ
LED131	87-A40-317-080		LED,SLR-342VCT31 RED
LED201	87-A40-496-040		LED,SLR-342PCT31 GRN
LED202	87-A40-317-080		LED,SLR-342VCT31 RED
LED203	87-A40-496-040		LED,SLR-342PCT31 GRN
LED205	87-A40-317-080		LED,SLR-342VCT31 RED
LED206	87-A40-496-040		LED,SLR-342PCT31 GRN
LED207	87-A40-317-080		LED,SLR-342VCT31 RED
LED209	87-A40-496-040		LED,SLR-342PCT31 GRN
LED210	87-A40-317-080		LED,SLR-342VCT31 RED
LED211	87-A40-496-040		LED,SLR-342PCT31 GRN

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
LED212	87-A40-317-080		LED,SLR-342VCT31 RED
LED213	87-A40-317-080		LED,SLR-342VCT31 RED
LED214	87-A40-317-080		LED,SLR-342VCT31 RED
S401	87-A90-095-080		SW,TACT EVQ11G04M
S402	87-A90-095-080		SW,TACT EVQ11G04M
S403	87-A90-095-080		SW,TACT EVQ11G04M
S404	87-A90-095-080		SW,TACT EVQ11G04M
S405	87-A90-095-080		SW,TACT EVQ11G04M
S421	87-A91-625-010		SW,RTRY EC12E24308-30MM

AMP 1F C.B

C101	87-010-178-080		CHIP CAP 1000P-50
C102	87-010-178-080		CHIP CAP 1000P
C103	87-010-405-080		CAP, ELECT 10-50V
C104	87-010-405-080		CAP, ELECT 10-50V
C107	87-010-404-080		CAP, ELECT 4.7-50V
C108	87-010-404-080		CAP, ELECT 4.7-50V
C111	87-010-322-080		C-CAP,S 100P-50 CH
C112	87-010-322-080		C-CAP,S 100P-50 CH
C113	87-A10-812-080		C-CAP,S 220P-200 J CH
C114	87-A10-812-080		C-CAP,S 220P-200 J CH
C119	87-010-197-080		CAP, CHIP 0.01-25
C120	87-010-197-080		CAP, CHIP 0.01-25
C121	87-010-260-080		CAP, ELECT 47-25V
C122	87-010-260-080		CAP, ELECT 47-25V
C173	87-010-186-080		CAP,CHIP 4700P-50
C174	87-010-186-080		CAP,CHIP 4700P-50
C203	87-A10-300-080		CAP,M 0.027-50 J
C204	87-A10-300-080		CAP,M 0.027-50 J
C205	87-010-186-080		C-CAP,S 4700P-50 CH
C206	87-010-186-080		C-CAP,S 4700P-50 CH
C207	87-010-403-080		CAP, ELECT 3.3-50V
C208	87-010-403-080		CAP, ELECT 3.3-50V
C209	87-010-184-080		CHIP CAPACITOR 3300P-50
C210	87-010-184-080		CHIP CAPACITOR 3300P-50
C211	87-010-403-080		CAP, ELECT 3.3-50V
C212	87-010-403-080		CAP, ELECT 3.3-50V
C215	87-012-156-080		C-CAP,S 220P-50
C216	87-012-156-080		C-CAP,S 220P-50
C217	87-010-260-080		CAP, ELECT 47-25V
C218	87-010-260-080		CAP, ELECT 47-25V
C221	87-010-405-080		CAP, ELECT 10-50V
C222	87-010-405-080		CAP, ELECT 10-50V
C223	87-010-197-080		CAP, CHIP 0.01-25
C224	87-010-197-080		CAP, CHIP 0.01-25
C249	87-012-368-080		CHIP CAPACITOR 0.1-50 ZF
C251	87-010-993-080		C-CAP,S 0.056-25 B
C252	87-010-196-080		CHIP CAPACITOR,0.1-25
C253	87-010-196-080		CHIP CAPACITOR,0.1-25
C254	87-010-993-080		C-CAP,S 0.056-25 B
C255	87-010-190-080		S CHIP F 0.01-50
C256	87-010-190-080		S CHIP F 0.01-50
C402	87-010-196-080		CHIP CAPACITOR,0.1-25
C413	87-A10-119-080		CAP,E 10-100 REA
C414	87-A10-119-080		CAP,E 10-100 REA
CNA103	8A-NF8-652-010		CONN ASSY,7P TID-A 400
CON101	87-A61-011-010		CONN,13P H BLK TAC-L13P-A3
CON102	87-A61-011-010		CONN,13P H BLK TAC-L13P-A3
J201	87-A61-148-010		JACK,PIN 4P R/W BLUE
JW138	87-A90-896-080		F-BEAD,035600STY7
JW944	87-A90-896-080		F-BEAD,035600STY7
L251	87-A50-610-010		COIL,1UH-S
L252	87-A50-610-010		COIL,1UH-S
R161	87-A00-418-010		RES,M/F 0.15-3W J
R162	87-A00-418-010		RES,M/F 0.15-3W J
R165	87-A00-418-010		RES,M/F 0.15-3W J
R166	87-A00-418-010		RES,M/F 0.15-3W J
R231	87-A00-669-080		RES,M/F 0.22-2W J
R232	87-A00-669-080		RES,M/F 0.22-2W J
R243	87-A00-669-080		RES,M/F 0.22-2W J
R244	87-A00-669-080		RES,M/F 0.22-2W J
TH101	87-A91-042-080		C-THMS,100K 55001
TH102	87-A91-042-080		C-THMS,100K 55001
WH101	87-A90-460-010		HLDR 2.5-7P

CNTL C.B

C602	87-010-069-040		CAP,E 0.33-50
C603	87-010-319-080		C-CAP,S 56P-50 CH
C604	87-010-178-080		CHIP CAP 1000P-50
C606	87-015-785-080		CHIP CAPACITOR, 0.1-25
C607	87-010-060-040		CAP,E 100-16
C611	87-010-186-080		CAP,CHIP 4700P-50
C612	87-015-699-040		CAP,E 10-50
C651	87-010-182-080		C-CAP,S 2200P-50 B
C652	87-010-197-080		CAP, CHIP 0.01-25
C661	87-010-196-080		CHIP CAPACITOR,0.1-25
C662	87-010-196-080		CHIP CAPACITOR,0.1-25
C663	87-012-156-080		C-CAP,S 220P-50 CH
C664	87-012-156-080		C-CAP,S 220P-50 CH
C686	87-010-196-080		CHIP CAPACITOR,0.1-25
C692	87-010-196-080		CHIP CAPACITOR,0.1-25
C846	87-010-196-080		CHIP CAPACITOR,0.1-25
CN661	87-A60-166-010		CONN,18P H FE
CNA602	8A-MA3-655-010		CONN ASSY,2P V 60MM
LED671	87-A40-317-080		LED,SLR-342VCT31 RED
LED672	87-A40-317-080		LED,SLR-342VCT31 RED
LED673	87-A40-317-080		LED,SLR-342VCT31 RED
LED674	87-A40-317-080		LED,SLR-342VCT31 RED
LED675	87-A40-317-080		LED,SLR-342VCT31 RED
LED677	87-A40-317-080		LED,SLR-342VCT31 RED
LED678	87-A40-317-080		LED,SLR-342VCT31 RED
LED679	87-A40-317-080		LED,SLR-342VCT31 RED
LED680	87-A40-619-040		LED,SLR-56PT-T31-W GRN
LED681	87-A40-619-040		LED,SLR-56PT-T31-W GRN
LED682	87-A40-619-040		LED,SLR-56PT-T31-W GRN
LED683	87-A40-619-040		LED,SLR-56PT-T31-W GRN
LED684	87-A40-619-040		LED,SLR-56PT-T31-W GRN
LED685	87-A40-619-040		LED,SLR-56PT-T31-W GRN
LED686	87-A40-678-010		LED,SELU1E10CXM BLUE-DEF
LED692	87-A40-678-010		LED,SELU1E10CXM BLUE-DEF
S651	87-A91-624-010		SW,RTRY EC12E1240405-20MM
S805	87-A90-095-080		SW,TACT EVQ11G04M
S806	87-A90-095-080		SW,TACT EVQ11G04M
S807	87-A90-095-080		SW,TACT EVQ11G04M
S808	87-A90-095-080		SW,TACT EVQ11G04M
S809	87-A90-095-080		SW,TACT EVQ11G04M
S810	87-A90-095-080		SW,TACT EVQ11G04M
S811	87-A90-095-080		SW,TACT EVQ11G04M
S812	87-A90-095-080		SW,TACT EVQ11G04M
S813	87-A90-095-080		SW,TACT EVQ11G04M
S815	87-A90-095-080		SW,TACT EVQ11G04M
S816	87-A90-095-080		SW,TACT EVQ11G04M
S817	87-A90-095-080		SW,TACT EVQ11G04M
S821	87-A90-095-080		SW,TACT EVQ11G04M
S822	87-A90-095-080		SW,TACT EVQ11G04M
S823	87-A90-095-080		SW,TACT EVQ11G04M
S824	87-A90-095-080		SW,TACT EVQ11G04M
S825	87-A90-095-080		SW,TACT EVQ11G04M
S826	87-A90-095-080		SW,TACT EVQ11G04M
S827	87-A90-095-080		SW,TACT EVQ11G04M
S828	87-A90-095-080		SW,TACT EVQ11G04M
S829	87-A90-095-080		SW,TACT EVQ11G04M
S830	87-A90-095-080		SW,TACT EVQ11G04M
S831	87-A90-095-080		SW,TACT EVQ11G04M
S832	87-A90-095-080		SW,TACT EVQ11G04M
S833	87-A90-095-080		SW,TACT EVQ11G04M
S834	87-A90-095-080		SW,TACT EVQ11G04M
S835	87-A90-095-080		SW,TACT EVQ11G04M

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
S842	87-A90-095-080		SW,TACT EVQ11G04M
S843	87-A90-095-080		SW,TACT EVQ11G04M
S844	87-A90-095-080		SW,TACT EVQ11G04M
S845	87-A90-095-080		SW,TACT EVQ11G04M
S846	87-A90-095-080		SW,TACT EVQ11G04M
S847	87-A90-095-080		SW,TACT EVQ11G04M
S848	87-A90-095-080		SW,TACT EVQ11G04M
S849	87-A90-095-080		SW,TACT EVQ11G04M
S850	87-A90-095-080		SW,TACT EVQ11G04M
S851	87-A90-095-080		SW,TACT EVQ11G04M

MIC C.B

C601	87-010-196-080		CHIP CAPACITOR,0.1-25
CN601	87-A60-619-010		CONNECTOR 2P V 2MM
FB603	83-XM1-617-080		C-COIL,BK 2125HM 601
J601	87-099-659-010		JACK,6.3 JY-6314-01130
J602	87-099-659-010		JACK,6.3 JY-6314-01130

KEY CD C.B

CN701	87-A60-156-010		CONN,8P H FE
FC701	88-908-231-110		FF-CABLE,8P 1.25
LED771	87-A40-317-080		LED,SLR-342VCT31 RED
LED772	87-A40-317-080		LED,SLR-342VCT31 RED
LED773	87-A40-317-080		LED,SLR-342VCT31 RED
LED774	87-A40-317-080		LED,SLR-342VCT31 RED
LED775	87-A40-317-080		LED,SLR-342VCT31 RED
S751	87-A90-095-080		SW,TACT EVQ11G04M
S752	87-A90-095-080		SW,TACT EVQ11G04M
S753	87-A90-095-080		SW,TACT EVQ11G04M
S754	87-A90-095-080		SW,TACT EVQ11G04M
S755	87-A90-095-080		SW,TACT EVQ11G04M
S756	87-A90-095-080		SW,TACT EVQ11G04M
S757	87-A90-095-080		SW,TACT EVQ11G04M

DK1 LED C.B

LED724	87-A40-619-040		LED,SLR-56PT-T31-W GRN
LED725	87-A40-589-040		LED,SLR-56VCT31 RED
LED726	87-A40-619-040		LED,SLR-56PT-T31-W GRN

DK2 LED C.B

CN721	87-A60-619-010		CONNECTOR 2P V 2MM
CNA722	8A-MA3-653-010		CONN ASSY,2P V 100MM
LED721	87-A40-619-040		LED,SLR-56PT-T31-W GRN
LED722	87-A40-589-040		LED,SLR-56VCT31 RED
LED723	87-A40-619-040		LED,SLR-56PT-T31-W GRN

VM C.B

PT C.B

C1	87-A11-148-080		CAP,TC U 0.1-50 Z F
C2	87-A11-148-080		CAP,TC U 0.1-50 Z F
C3	87-A11-148-080		CAP,TC U 0.1-50 Z F
C4	87-A11-148-080		CAP,TC U 0.1-50 Z F
C5	87-A11-148-080		CAP,TC U 0.1-50 Z F
C6	87-A11-148-080		CAP,TC U 0.1-50 Z F
C7	87-A11-148-080		CAP,TC U 0.1-50 Z F
C8	87-A11-148-080		CAP,TC U 0.1-50 Z F
C9	87-A11-148-080		CAP,TC U 0.1-50 Z F
C10	87-A11-148-080		CAP,TC U 0.1-50 Z F
C11	87-A11-148-080		CAP,TC U 0.1-50 Z F
C12	87-A11-148-080		CAP,TC U 0.1-50 Z F
C101	87-010-387-080		CAP,E 470-25 SME
C103	87-A11-148-080		CAP,TC U 0.1-50 Z F
C104	87-A11-148-080		CAP,TC U 0.1-50 Z F
C105	87-A11-148-080		CAP,TC U 0.1-50 Z F
C106	87-A11-148-080		CAP,TC U 0.1-50 Z F
C107	87-A11-148-080		CAP,TC U 0.1-50 Z F
C108	87-A11-148-080		CAP,TC U 0.1-50 Z F
C109	87-A11-148-080		CAP,TC U 0.1-50 Z F
C110	87-A11-148-080		CAP,TC U 0.1-50 Z F
C111	87-010-917-000		CAP,E 3300-50 M SMG
C112	87-010-917-000		CAP,E 3300-50 M SMG
C113	87-A10-520-000		CAP,E 3300-35
C114	87-A10-520-000		CAP,E 3300-35
C116	87-010-403-040		CAP,E 3.3-50 SME
C201	87-A11-148-080		CAP,TC U 0.1-50 Z F
C202	87-A11-148-080		CAP,TC U 0.1-50 Z F
C203	87-A11-148-080		CAP,TC U 0.1-50 Z F
C204	87-A11-148-080		CAP,TC U 0.1-50 Z F
C205	87-A10-231-090		CAP,E 3300-80
C206	87-A10-231-090		CAP,E 3300-80
CN1	87-A61-110-010		CONN,9P V TID-A
CN3	87-A61-109-010		CONN,7P V TID-A
⚠ F101	87-035-459-010		FUSE,5A 250V T 218
⚠ F102	87-035-459-010		FUSE,5A 250V T 218
⚠ FC101	87-033-213-080		CLAMP, FUSE
⚠ FC102	87-033-213-080		CLAMP, FUSE
⚠ FC103	87-033-213-080		CLAMP, FUSE
⚠ FC104	87-033-213-080		CLAMP, FUSE
⚠ PT1	8A-MA2-663-010		PT,AMA-2 LH
⚠ PT2	8A-NF8-673-010		PT,SUB ANF-8 (H)KAMI
⚠ PR103	87-026-682-080		PROTECTOR,10A 491 SERIES 60V
⚠ PR106	87-026-682-080		PROTECTOR 10A 491 SERIES 60V
⚠ PR109	87-026-682-080		PROTECTOR 10A 491 SERIES 60V
⚠ PR110	87-026-682-080		PROTECTOR 10A 491 SERIES 60V
⚠ RY101	87-A91-300-010		RELAY,AC 12V-ALA2PF12
⚠ S101	87-A90-165-010		SW,SL 1-2-3 SWS2301
⚠ T101	87-A60-317-010		TERMINAL, 1P MSC
⚠ T102	87-A60-317-010		TERMINAL, 1P MSC

DECK C.B

CON502	87-099-756-010		CONN,15P 9604S F
SFR1	87-024-581-010		SFR,3.3K DIA 6H
SOL1	82-ZM1-626-010		SOL ASSY,27K
SOL2	82-ZM1-626-010		SOL ASSY,27K
SW1	87-A90-248-010		SW,MICRO ESE11SH2CXQ
SW2	87-A90-248-010		SW,MICRO ESE11SH2CXQ
SW3	87-A90-248-010		SW,MICRO ESE11SH2CXQ
SW4	87-036-110-010		SW,MICRO SPPB62
SW5	87-036-110-010		SW,MICRO SPPB62
SW6	87-036-110-010		SW,MICRO SPPB62
SW8	87-A90-248-010		SW,MICRO ESE11SH2CXQ
SW9	87-A90-248-010		SW,MICRO ESE11SH2CXQ
W1	82-ZM3-601-010		RBN-CORD,4P-75

HEAD-1 C.B

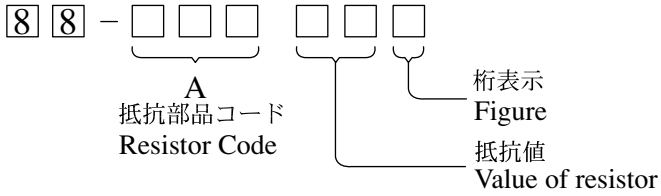
	85-ZM3-601-010		PWB,FLEX I
CON301	85-MA2-615-010		CONN ASSY,3P-PH

HEAD-2 C.B

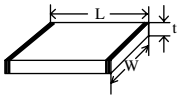
	85-ZM3-601-010		PWB,FLEX I
CON351	83-NEG-608-010		CONN ASSY,8P-RPB

Oチップ抵抗部品コード／CHIP RESISTOR PART CODE

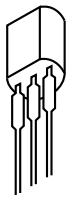
チップ抵抗部品コードの成り立ち
Chip Resistor Part Coding



チップ抵抗
Chip resistor

容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm) 外形／Form	L	W	t	抵抗コード : A Resistor Code : A
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

TRANSISTOR ILLUSTRATION

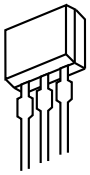


E C B

CD1585
CSA952
CSC4115
KTA1266
KTC3198
KTC3199

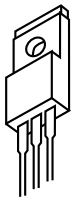
E C B

CC5551



E C B

2SB1237



B C E

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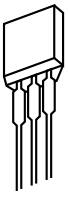
2SD2439



E C B

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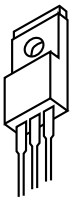
DTC114ES



G D S

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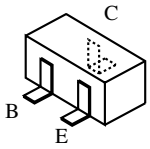

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CMBT5401
CMBT5551

KRA102
KRA104
KRA107
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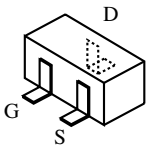
RT1P141C



2SJ461-T1
2SK2158

32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

A B C D E F G H I J K L M N O P Q R S T U